## Summation of Multiples (hard)

If we list all the natural numbers below 10 that are multiples of 3 or 5 , we get $3,5,6$ and 9 . The sum of these multiples is $3+5+6+9=23$.

Now you are given an integer N and an array of length K . You have to find the sum of all numbers that are multiples of at least one array's elements and below N .

## Input

line1: $\mathrm{K}(1<=\mathrm{K}<=15), N\left(1<=N<=10^{9}\right)$
line2: K space-sapareted integers , the elements of the array, all elements of the array is between 1 and 100 inclusive.
note: the least common multipe of all elements will not be bigger than $10^{18}$

## Output

one integer, the answer to the problem

## Example

Input:
210
35

## Output:

